

(b) Amendments to the Claims

Please amend claims 1, 4, 14 and 15. A detailed listing of all the claims that are or were in the application is provided.

1. (Currently Amended) An organic electroluminescent display providing enhanced monochromatic and highly directed light comprising:

an organic electroluminescent device, having a microcavity structure, for emitting light resonating in the microcavity structure;

a light-gathering structure, overlying the organic electroluminescent device, for gathering the light emitted from the organic electroluminescent device; and

a light-shielding layer comprising a light-absorbing member for preventing external light transmitted from the outside from being reflected, overlying the light-gathering structure, having an opening through which a portion of the light gathered by the light-gathering structure passes, wherein the light-gathering structure includes a lens having a focus, and the opening of the light-shielding layer is disposed in the vicinity of the focus of the lens, ~~whereby light emitted in a diagonal direction to the opening by the organic electroluminescent device is blocked by the light-shielding layer, thereby preventing a color shift and degradation of color purity of light emitted through the opening~~ wherein the lens and the light-shielding layer having the opening cooperate to converge resonating light emitted from the microcavity structure at the opening of the light-shielding layer.

2. and 3. (Cancelled)

4. (Currently Amended) An organic electroluminescent display
providing enhanced monochromatic and highly directed light
comprising:

an organic electroluminescent device array including a plurality of
organic electroluminescent devices, each having a microcavity structure, for emitting light
resonating in the microcavity structure;

a light-gathering layer including light-gathering structures overlying
the organic electroluminescent device arranged so as to correspond to the organic
electroluminescent devices, for gathering the light emitted from the organic
electroluminescent devices; and

a light-shielding layer comprising a light-absorbing member for
preventing external light transmitted from the outside from being reflected, overlying the
light-gathering structures, having openings through which a portion of the light emitted
from the organic electroluminescent devices passes,

wherein each light-gathering structure includes a lens having a focus
and each opening of the light-shielding layer is arranged in the vicinity of a focus and

wherein the organic electroluminescent devices are arranged in a
plane and the openings are arranged so as to correspond to the light-gathering structures,
~~whereby light emitted in a diagonal direction to the opening by the organic~~

~~electroluminescent device is blocked by the light-shielding layer, thereby preventing a color shift and degradation of color purity of light emitted through the opening wherein the lens and the light-shielding layer having the opening cooperate to converge resonating light emitted from the microcavity structure at the opening of the light-shielding layer.~~

5. (Original) The display according to Claim 4, wherein the light-gathering layer includes first and second transparent members having different refractive indexes with spherical faces disposed therebetween.

6. (Previously Presented) The display according to claim 5, wherein the light-gathering layer includes a third transparent member having convex faces bulging toward the organic electroluminescent devices and a cavity portion disposed between the organic electroluminescent devices and the third transparent member.

7. (Original) The display according to Claim 4, wherein the light-gathering structures of the light-gathering layer are arranged at a pitch smaller than or equal to a pitch at which the organic electroluminescent devices of the organic electroluminescent device array are arranged.

8. (Cancelled)

9. (Original) The display according to Claim 4, wherein the openings are arranged such that light emitted in the direction perpendicular to a plane on which the organic electroluminescent devices are arranged passes through each opening.

10. (Original) The display according to Claim 4, wherein the openings have a size determined based on a wavelength of light emitted from the organic electroluminescent devices.

11. (Original) The display according to Claim 4, wherein the openings have a circular shape, a rectangular shape, or an elliptic shape.

12. and 13. (Cancelled)

14. (Currently Amended) An apparatus comprising:
a controller for providing image information;
an organic electroluminescent device, providing enhanced monochromatic and highly directed light and having a microcavity structure, for emitting light resonating in the microcavity structure, based on the image information provided from the controller;
a light-gathering structure, overlying the organic electroluminescent device, for gathering the light emitted from the organic electroluminescent device; and

a light-shielding layer comprising a light-absorbing member for preventing external light transmitted from the outside from being reflected, overlying the light-gathering structure, having an opening through which a portion of the light gathered by the light-gathering structure passes and

wherein each light-gathering structure includes a lens having a focus and each opening of the light-shielding layer is arranged in the vicinity of a focus, ~~whereby light emitted in a diagonal direction to the opening by the organic electroluminescent device is blocked by the light-shielding layer, thereby preventing a color shift and degradation of color purity of light emitted through the opening, wherein the lens and the light-shielding layer having the opening cooperate to converge resonating light emitted from the microcavity structure at the opening of the light-shielding layer.~~

15. (Currently Amended) An apparatus comprising:

a controller for providing image information;

an organic electroluminescent device array providing enhanced monochromatic and highly directed light including a plurality of organic electroluminescent devices, each having a microcavity structure, for emitting light resonating in the microcavity structure, based on the image information provided from the controller;

a light-gathering layer including light-gathering structures overlying the organic electroluminescent device arranged so as to correspond to the organic

electroluminescent devices, for gathering the light emitted from the organic

electroluminescent devices; and

a light-shielding layer comprising a light-absorbing member for preventing external light transmitted from the outside from being reflected, overlying the light-gathering structure, having openings through which a portion of the light emitted from the organic electroluminescent devices passes, and

wherein each light-gathering structure includes a lens having a focus and each opening of the light-shielding layer is arranged in the vicinity of a focus and

wherein the organic electroluminescent devices are arranged on a plane and the openings are arranged so as to correspond to the light-gathering structures, wherein the lens and the light-shielding layer having the opening cooperate to converge resonating light emitted from the microcavity structure at the opening of the light-shielding layer ~~whereby light emitted in a diagonal direction to the opening by the organic electroluminescent device is blocked by the light-shielding layer, thereby preventing a color shift and degradation of color purity of light emitted through the opening.~~